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Customer No. 20,995

INFORMATION DISCLOSURE STATEMENT

Applicant : Miles, Mark W.
App. No : 09/413,222
Filed : October 5, 1999
For : PHOTONIC MEMS AND
STRUCTURES
Examiner : Dang, Hung Xuan
Art Unit : 2873

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

May 11, 2005
(Date)

Mark M. Abumeri
Mark M. Abumeri, Reg. No. 43,458

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is an Information Disclosure Statement by Applicant (PTO/SB/08 equivalent) listing 197 references to be considered by the Examiner, which includes 8 foreign patent references. Hardcopies of the 8 foreign patent references are enclosed herewith.

This Information Disclosure Statement is being filed before the mailing date of a final action and before the mailing of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 C.F.R. § 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: May 11, 2005

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 7

Application No.	09/413,222
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Art Unit	2873
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Attorney Docket No.	IRDM.056CP

U.S. PATENT DOCUMENTS

Examiner Initials	Page No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,441,791	04-10-1984	Hornbeck	
	2	4,482,213	11-13-1984	Piliavin et al.	
	3	4,500,171	02-19-1985	Penz et al.	
	4	4,566,935	01-28-1986	Hornbeck	
	5	4,571,603	02-18-1986	Hornbeck et al.	
	6	4,596,992	06-24-1986	Hornbeck	
	7	4,615,595	10-07-1986	Hornbeck	
	8	4,662,746	05-05-1987	Hornbeck	
	9	4,710,732	12-01-1987	Hornbeck	
	10	4,856,863	08-15-1989	Sampsell et al.	
	11	4,956,619	09-11-1990	Hornbeck	
	12	5,018,256	05-28-1991	Hornbeck	
	13	5,028,939	07-02-1991	Hornbeck et al.	
	14	5,037,173	08-06-1991	Sampsell et al.	
	15	5,061,049	10-29-1991	Hornbeck	
	16	5,079,544	01-07-1992	DeMond et al.	
	17	5,083,857	01-28-1992	Hornbeck	
	18	5,096,279	03-17-1992	Hornbeck et al.	
	19	5,099,353	03-24-1992	Hornbeck	
	20	5,142,405	08-25-1992	Hornbeck	
	21	5,162,787	11-10-1992	Thompson et al.	
	22	5,170,156	12-08-1992	DeMond et al.	
	23	5,179,274	01-12-1993	Sampsell	
	24	5,192,395	03-09-1993	Boysel et al.	
	25	5,192,946	03-09-1993	Thompson et al.	
	26	5,206,629	04-27-1993	DeMond et al.	
	27	5,214,419	05-25-1993	DeMond et al.	
	28	5,214,420	05-25-1993	Thompson et al.	
	29	5,216,537	06-01-1993	Hornbeck	

Examiner Signature

Date Considered

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SHEET 2 OF 7	Attorney Docket No.	IRDM.056CP

U.S. PATENT DOCUMENTS					
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	30	5,226,099	07-06-1993	Mignardi et al.	
	31	5,233,385	08-03-1993	Sampsell	
	32	5,233,456	08-03-1993	Nelson	
	33	5,254,980	10-19-1993	Hendrix et al.	
	34	5,272,473	12-21-1993	Thompson et al.	
	35	5,278,652	01-11-1994	Urbanus et al.	
	36	5,280,277	01-18-1994	Hornbeck	
	37	5,287,096	02-15-1994	Thompson et al.	
	38	5,296,950	03-22-1994	Lin et al.	
	39	5,305,640	04-26-1994	Boysel et al.	
	40	5,312,513	05-17-1994	Florence et al.	
	41	5,323,002	06-21-1994	Sampsell et al.	
	42	5,325,116	06-28-1994	Sampsell	
	43	5,327,286	07-05-1994	Sampsell et al.	
	44	5,331,454	07-19-1994	Hornbeck	
	45	5,339,116	08-16-1994	Urbanus et al.	
	46	5,365,283	11-15-1994	Doherty et al.	
	47	5,411,769	05-02-1995	Hornbeck	
	48	5,444,566	08-22-1995	Gale et al.	
	49	5,446,479	08-29-1995	Thompson et al.	
	50	5,448,314	09-05-1995	Heimbuch et al.	
	51	5,452,024	09-19-1995	Sampsell	
	52	5,454,906	10-03-1995	Baker et al.	
	53	5,457,493	10-10-1995	Leddy et al.	
	54	5,457,566	10-10-1995	Sampsell et al.	
	55	5,459,602	10-17-1995	Sampsell	
	56	5,461,411	10-24-1995	Florence et al.	
	57	5,489,952	02-06-1996	Gove et al.	
	58	5,497,197	03-05-1996	Gove et al.	

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SHEET 3 OF 7	Attorney Docket No.	IRDM.056CP

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	59	5,499,062	03-12-1996	Urbanus	
	60	5,506,597	04-09-1996	Thompson et al.	
	61	5,515,076	05-07-1996	Thompson et al.	
	62	5,517,347	05-14-1996	Sampsell	
	63	5,523,803	06-04-1996	Urbanus et al.	
	64	5,526,051	06-11-1996	Gove et al.	
	65	5,526,172	06-11-1996	Kanack	
	66	5,526,688	06-18-1996	Boysel et al.	
	67	5,535,047	07-09-1996	Hornbeck	
	68	5,548,301	08-20-1996	Kornher et al.	
	69	5,551,293	09-03-1996	Boysel et al.	
	70	5,552,924	09-03-1996	Tregilgas	
	71	5,563,398	10-08-1996	Sampsell	
	72	5,567,334	10-22-1996	Baker et al.	
	73	5,570,135	10-29-1996	Gove et al.	
	74	5,581,272	12-03-1996	Conner et al.	
	75	5,583,688	12-10-1996	Hornbeck	
	76	5,589,852	12-31-1996	Thompson et al.	
	77	5,597,736	01-28-1997	Sampsell	
	78	5,600,383	02-04-1997	Hornbeck	
	79	5,602,671	02-11-1997	Hornbeck	
	80	5,606,441	02-25-1997	Florence et al.	
	81	5,608,468	03-04-1997	Gove et al.	
	82	5,610,438	03-11-1997	Wallace et al.	
	83	5,610,624	03-11-1997	Bhuva	
	84	5,610,625	03-11-1997	Sampsell	
	85	5,619,365	04-08-1997	Rhoades et al.	
	86	5,619,366	04-08-1997	Rhoads et al.	
	87	5,646,768	07-08-1997	Kaeiyama	

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SHEET 4 OF 7	Attorney Docket No.	IRDM.056CP

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	88	5,650,881	07-22-1997	Hornbeck	
	89	5,654,741	08-05-1997	Sampsell et al.	
	90	5,657,099	08-12-1997	Doherty et al.	
	91	5,659,374	08-19-1997	Gale, Jr. et al.	
	92	5,665,997	09-09-1997	Weaver et al.	
	93	5,745,193	04-28-1998	Urbanus et al.	
	94	5,745,281	04-28-1998	Yi et al.	
	95	5,771,116	06-23-1998	Miller et al.	
	96	5,784,212	07-21-1998	Hornbeck	
	97	5,818,095	10-06-1998	Sampsell	
	98	5,842,088	11-24-1998	Thompson	
	99	5,912,758	06-15-1999	Knipe et al.	
	100	6,028,690	02-22-2000	Carter et al.	
	101	6,038,056	03-14-2000	Florence et al.	
	102	6,049,317	04-11-2000	Thompson et al.	
	103	6,061,075	05-09-2000	Nelson et al.	
	104	6,099,132	08-08-2000	Kaeriyama	
	105	6,113,239	09-05-2000	Sampsell et al.	
	106	6,147,790	11-14-2000	Meier et al.	
	107	6,160,833	12-12-2000	Floyd et al.	
	108	6,180,428	01-30-2001	Peeters et al.	
	109	6,201,633	03-13-2001	Peeters et al.	
	110	6,232,936	05-15-2001	Gove et al.	
	111	6,282,010	08-28-2001	Sulzbach et al.	
	112	6,295,154	09-25-2001	Laor et al.	
	113	6,323,982	11-27-2001	Hornbeck	
	114	6,447,126	09-10-2002	Hornbeck	
	115	6,465,355	10-15-2002	Horsley	
	116	6,466,358	10-15-2002	Tew	

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	117	6,473,274	10-29-2002	Maimone et al.	
	118	6,480,177	11-12-2002	Doherty et al.	
	119	6,496,122	12-17-2002	Sampsell	
	120	6,545,335	04-08-2003	Chua et al.	
	121	6,548,908	04-15-2003	Chua et al.	
	122	6,549,338	04-15-2003	Wolverton et al.	
	123	6,552,840	04-22-2003	Knipe	
	124	6,574,033	06-03-2003	Chui et al.	
	125	6,589,625	07-08-2003	Kothari et al.	
	126	6,600,201	07-29-2003	Hartwell et al.	
	127	6,606,175	08-12-2003	Sampsell et al.	
	128	6,625,047	09-23-2003	Coleman, Jr., deceased	
	129	6,630,786	10-07-2003	Cummings et al.	
	130	6,632,698	10-14-2003	Ives	
	131	6,643,069	11-04-2003	Dewald	
	132	6,650,455	11-18-2003	Miles	
	133	6,666,561	12-23-2003	Blakley	
	134	6,674,090	01-06-2004	Chua et al.	
	135	6,674,562	01-06-2004	Miles	
	136	6,680,792	01-20-2004	Miles	
	137	6,710,908	03-23-2004	Miles et al.	
	138	6,741,377	05-25-2004	Miles	
	139	6,741,384	05-25-2004	Martin et al.	
	140	6,741,503	05-25-2004	Farris et al.	
	141	6,747,785	06-08-2004	Chen et al.	
	142	6,775,174	08-10-2004	Huffman et al.	
	143	6,778,155	08-17-2004	Doherty et al.	
	144	6,794,119	09-21-2004	Miles	
	145	6,811,267	11-02-2004	Allen et al.	

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	146	6,819,469	11-16-2004	Koba	
	147	6,822,628	11-23-2004	Dunphy et al.	
	148	6,829,132	12-07-2004	Martin et al.	
	149	6,853,129	02-08-2005	Cummings et al.	
	150	6,855,610	02-15-2005	Tung et al.	
	151	6,859,218	02-22-2005	Luman et al.	
	152	6,861,277	03-01-2005	Monroe et al.	
	153	6,862,022	03-01-2005	Slupe	
	154	6,862,029	03-01-2005	D'Souza et al.	
	155	6,867,896	03-15-2005	Miles	
	156	6,870,581	03-22-2005	Li et al.	
	157	20010003487	06-14-2001	Miles	
	158	20020015215	02-07-2002	Miles	
	159	20020075555	06-20-2002	Miles	
	160	20020126364	09-12-2002	Miles	
	161	20030043157	03-06-2003	Miles	
	162	20030072070	04-17-2003	Miles	
	163	20030202264	10-30-2003	Weber et al.	
	164	20030202265	10-30-2003	Reboa et al.	
	165	20030202266	10-30-2003	Ring et al.	
	166	20040051929	03-18-2004	Sampsell et al.	
	167	20040058532	03-25-2004	Miles et al.	
	168	20040080807	04-29-2004	Chen et al.	
	169	20040145049	07-29-2004	McKinnell et al.	
	170	20040147056	07-29-2004	McKinnell et al.	
	171	20040160143	08-19-2004	Shreeve et al.	
	172	20040174583	09-09-2004	Chen et al.	
	173	20040179281	09-16-2004	Reboa	
	174	20040212026	10-28-2004	Van Brocklin et al.	

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	175	20040217378	11-04-2004	Martin et al.	
	176	20040217919	11-04-2004	Pichl et al.	
	177	20040218251	11-04-2004	Piehl et al.	
	178	20040218334	11-04-2004	Martin et al.	
	179	20040218341	11-04-2004	Martin et al.	
	180	20040227493	11-18-2004	Van Brocklin et al.	
	181	20040240032	12-02-2004	Miles	
	182	20040240138	12-02-2004	Martin et al.	
	183	20040245588	12-09-2004	Nikkel et al.	
	184	20040263944	12-30-2004	Miles et al.	
	185	20050001828	01-06-2005	Martin et al.	
	186	20050038950	02-17-2005	Adelmann	
	187	20050057442	03-17-2005	Way	
	188	20050068583	03-31-2005	Gutkowski et al.	
	189	20050069209	03-31-2005	Damera-Venkata et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	190	WO9717628	05-15-1997	Etalon, Inc.		
	191	WO9952006A2	10-14-1999	Etalon, Inc.		
	192	WO9952006A3	10-14-1999	Etalon, Inc.		
	193	WO03007049A1	01-23-2003	Iridigm Display Corp.		
	194	WO03069413A1	08-21-2003	Iridigm Display Corp.		
	195	WO03073151A1	09-04-2003	Iridigm Display Corp.		
	196	WO04006003A1	01-15-2004	Iridigm Display Corp.		
	197	WO04026757A2	04-01-2004	Iridigm Display Corp.		

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